

DATE: NOVEMBER 8, 2010

ADDENDUM NO.: 1

PROJECT NO.: 0939-E

OWNER: CITY OF SAN ANTONIO
114 West Commerce Street
San Antonio, Texas 78205

PROJECT: FIRE STATION #11 STABILIZATION
610 South Frio
San Antonio, Texas 78207

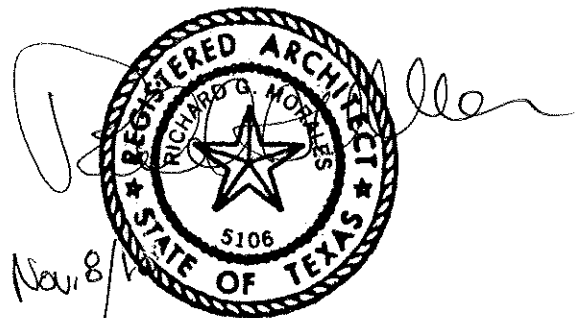
ARCHITECT: Chesney-Morales & Associates, Inc.
4901 Broadway Suite 250
San Antonio, Texas 78209

This addenda is generally separated into sections for convenience; however, all contractors, subcontractors, material men, and all other parties shall be responsible for reading this entire addendum. The failure to list an item or items in all affected sections of this addendum does not relieve any party affected from performing as per instructions, providing that the information is set forth one time any place in this addendum. The addendum forms a part of the Contract Documents, modifying and superseding where it is inconsistent with them. All other conditions of the Contract Documents remain unchanged.

ITEM 1 **CLARIFICATION:**

DELETE **"ALL"** reference to the 600 South Frio address in **all** documents for the Fire Station #11 Stabilization project and **REPLACE** with the below listed address in all documents:

Fire Station #11 Stabilization
610 South Frio Street
San Antonio, Texas 78207



- ITEM 2 SPECIFICATIONS: Division 0 - Bidding and Contractual Requirements;
DELETE Formal Invitation For Competitive Sealed Proposals in its entirety
and **REPLACE** with hereto attached "**EXHIBIT "A"**", 1 page.
- ITEM 3 SPECIFICATIONS: Division 0 - Bidding and Contractual Requirements;
DELETE 020 Bid Form in its entirety and **REPLACE** with hereto attached
"**EXHIBIT "B"**", 1 page.
- ITEM 4 SPECIFICATIONS: Division 0 - Bidding and Contractual Requirements;
DELETE 021 Pricing Form in its entirety and **REPLACE** with hereto attached
"**EXHIBIT "C"**", 2 page.
- ITEM 5 SPECIFICATIONS: Division 0 - Bidding and Contractual Requirements;
ADD "Receipt of Addendum" Document in its entirety, see hereto attached
"**EXHIBIT "D"**", 1 page.
- ITEM 6 **CLARIFICATION:**
- Provide new grading as shown on Drawing Sheet C2 of 2. Provide top soil
and sodding around entire perimeter of building and site.
- ITEM 7 The selected General Contractor shall provide in his bid an allowance of
\$1231.12. This amount is to pay for the building permit already paid for by
the Architect, Chesney-Morales & Associates, Inc. The General Contractor
shall reimburse Chesney-Morales & Associates, Inc. for this amount. The
selected General Contractor may pick up the building permit at the office of
the Architect:
Chesney-Morales & Associates, Inc.
4901 Broadway Suite 250
San Antonio, Texas 78209
- ITEM 8 Structural issues provided by Beicker Martinez Engineering, Structural
Engineer; see hereto attached **EXHIBIT "E"**, 2 pages.
- ITEM 9 Mechanical/Electrical/Plumbing issues provide by Cleary Zimmermann
Engineers, MEP Engineer; see hereto attached **EXHIBIT "F"**, 2 pages.
- ITEM 10 Civil issues provide by Macina-Bose-Copeland and Associates, Inc., Civil
Engineer; see hereto attached **EXHIBIT "G"**, 1 page.

END OF ADDENDUM NO. 1

CITY OF SAN ANTONIO

Issued By: CIMS Department
ID NO.: 20-00122-05-02-02

Date Issued: November 8, 2010
Page 1 of 1

FORMAL INVITATION FOR BIDS (IFB) and CONTRACT FIRE STATION 11 STRUCTURAL STABILIZATION – PROJECT NO. 20-00122

Sealed bids, subject to the Terms and Conditions of this Invitation for Bids and other contract provisions, will be received at the Office of the City Clerk, City Hall, 100 Military Plaza, 2nd floor San Antonio, Tx 78205 until **1:00 p.m. CST on Wednesday, December 8, 2010** and publicly read aloud at **114 W. Commerce, Municipal Plaza Building "B" Room**. This is the *solicitation deadline*. Bids must be submitted in a sealed envelope and clearly marked with the due date of bid, bidder name, Project Name and ID NO. The City is not responsible for submissions not clearly and appropriately marked. Late submissions will be rejected and returned to bidder. A Non-Mandatory Pre-submittal conference will be held at Fire Station 11 – 610 S. Frio, San Antonio, TX 78207 on December 1, 2010 at 2:00 pm.

TABLE A - This invitation includes the following Contract Documents:

010 Invitation for Bids and Contract Signature Page Fire Station 11	053 City of San Antonio Letter of Intent for Contracts Utilizing Small Business Contracting Goals
020 Bid Form	
025 Unit Pricing Form	054 Request for Approval of Change to Original Affirmed List of Subcontractors/ Suppliers
030 Contractor's Qualification/Information Statement	
040 Standard Instructions to Respondent	060 Supplemental Conditions
050 Small Business Economic Development Advocacy (SBEDA) Guidelines	Performance Bond
051 SBEDA List of Subcontractors/ Suppliers	Payment Bond
	080 General Conditions Building
052 Good Faith Effort Plan (required for contracts \$200,000 or greater) or List of Subcontractors	City of San Antonio, Specifications, Special Conditions & Plans "Fire Station 11 Structural Stabilization " prepared by Chesney Morales

Plans, Specifications and Special Conditions may be purchased at a cost of **\$100.00** per set (tax included) from the office of **Chesney Morales & Associates**, San Antonio, TX 78209 or by phone at (210) 828-9481. No refund will be made for plan sets that are returned. Addenda will be posted on the web at <http://cpay.sanantonio.gov/rflistings/> along with this solicitation. Changes to Plans, Specifications and Special Conditions will be included in an addendum and may be obtained from the office of **Chesney Morales & Associates**. Bidder understands and agrees that bidder is responsible for obtaining addenda and adhering to all requirements in addenda. City is not responsible for incorrect information obtained through other sources.

The following documents (fully completed and with original signatures) constitute the required information to be submitted as a part of the bid proposal clearly marked on the outside of the sealed envelope with the due date of bid, bidder name, Project Name and ID NO as follows:

- | | |
|--|---|
| 1) 010 Invitation for Bids & Contract Signature Page for Fire Station 11 | 6) 052 Good Faith Effort Plan (for contracts \$200,000 or greater) or List of Subcontractors (required for contracts greater than \$25,000 and less than \$200,000) |
| 2) 020 Bid Form | 7) Signed Addenda Acknowledgement Forms (if applicable) |
| 3) 025 Unit Pricing Form | Insert any additional requirements |
| 4) 030 Contractor's Qualification/Information Statement | |
| 5) Bid bond or cashiers check | |

It is understood and agreed that the work is to be completed in full on or before **150** calendar days. This project does not include hazardous environmental work. This project requires **1** project sign(s).

This is a Public Works Contract and chapter 2258 of the Texas Government Code requires that not less than the prevailing wage rate for work of a similar character in this locality shall be paid all laborers, workmen, and mechanics employed in the construction thereof. The Wage Decision Number **TX100003 08/13/2010 TX3** shall be used on this contract, which is available on the web at <http://www.wdol.gov/dba.aspx#0>.

The undersigned, by his/her signature, represents that he/she is authorized to bind the bidder to fully comply with Contract Documents for the amount(s) shown on the accompanying bid sheet(s). The work proposed to be done shall be accepted when fully completed and finished to the entire satisfaction of the City. The undersigned certifies all prices contained in this bid have been carefully checked and are submitted as correct and final. The Bidder by submitting this bid and signing below, acknowledges that he/she has received & read the entire Bid and Contract document and agrees to be bound by the terms therein, has received all Addenda, and agrees to the terms, conditions, and requirements of the bidder's bid proposal and all documents listed in TABLE A above and the enabling Ordinance and associated documentation that form the entire Contract upon approval by the City Council.

Official Name of Company (legal): _____

_____/_____
Original Signature of Person Authorized to Sign Bid/Contract Date Signer's Name: _____
(Please Print or Type)

CITY OF SAN ANTONIO

Project Name: Fire Station 11 Structural Stabilization
ID NO.: 20-00122-05-02-02

Date Issued: November 8, 2010
Page 1 of 3

020

BID FORM

The estimated construction budget for this contract is \$263,745.00

I. BASE BID

Shall include all structural stabilization for Fire Station #11. Project includes paving, concrete paving, concrete foundation, concrete block, grading, landscaping; all as shown on Contract documents.

Total Amount of Base Bid (Insert Amount in Words and Numbers):

\$ _____

II. ALTERNATES

Amount of each Alternates (if applicable) insert in Numbers: N/A

III. UNIT PRICES

Bidders shall submit unit pricing on the 021 Unit Pricing Form (attached), 2 pages.

Unit Prices apply only for added Scope of Work if necessary.

IV. ALLOWANCES (if applicable)

Official Name of Company (legal)

Telephone No.

Address

Fax No.

City, State and Zip Code

E-mail Address

CITY OF SAN ANTONIO

Issued By: Capital Improvements Management Services Department
ID NO.: 20-00122-05-02-02

Date Issued: November 8, 2010

Fire Station #11 Stabilization

021
PRICING FORM

I. UNIT PRICES -

Unit Price No. 1 Masonry: Interior Concrete Masonry Units

1. Basis of Measurement: New 8 x 8 x 16 inches (203 x 203 x 406mm) Concrete Masonry Units (CMU) per square foot of material delivered to the site including demolition, installation, grout, mortar, reinforcing, and cleaning and placed as directed by the Owner.
2. Basis of Payment: Per square foot as installed at location as designated by the Owner.

Total Amount of Unit Price No. 1 (Insert Amount in Words and Numbers):

\$

Unit Price No. 2 Division 7 Roofing: Prefinished gutter

1. Basis of Measurement: New 24 gauge Kynar 500 prefinished 6 inch gutter at locations as directed by the Owner.
2. Basis of Payment: Per linear foot as installed at location as designated by the Owner.

Total Amount of Unit Price No. 2 (Insert Amount in Words and Numbers):

\$

Unit Price No. 3 Division 7 Roofing: Prefinished downspout

1. Basis of Measurement: New 24 gauge Kynar 500 prefinished 6 inch gutter at locations as directed by the Owner.
2. Basis of Payment: Per linear foot as installed at location as designated by the Owner.

Total Amount of Unit Price No. 3 (Insert Amount in Words and Numbers):

\$

EXHIBIT "C"

**CITY OF SAN ANTONIO
DEPARTMENT OF CAPITAL IMPROVEMENTS MANAGEMENT SERVICES
CONTRACT SERVICES DIVISION**

RECEIPT OF ADDENDUM NUMBER(S) _____ IS HEREBY ACKNOWLEDGED FOR PLANS AND

SPECIFICATION FOR CONSTRUCTION **OF FIRE STATION #11 STABILIZATION**

FOR WHICH BIDS WILL BE OPENED ON **DECEMBER 8, 2010**

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID
PACKAGE:

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title

EXHIBIT "D"



Structural Supplemental Information

SSI ---2 (Addendum #1)

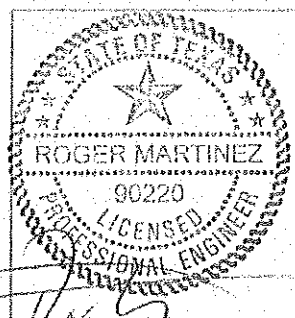
October 18, 2010

Ms. Jennifer Flores
Chesney Morales and Associates
4901 Broadway #250
San Antonio, Texas 78209

To Plans and Specifications for **City of San Antonio Fire Station # 11 Stabilization --- BME #10205**
600 South Frio Street
San Antonio, Texas 78207

Preface Requirements

This supplemental information is referred to by item for reporting convenience; however, all contractors, subcontractors, material men and other parties shall be responsible for all work affected by this information. The failure to list an item or items in all affected sections does not relieve any party affected from performing as per instructions, providing that the information is set forth one time any place. This supplemental information forms a part of the contract documents, modifying and superseding where it is inconsistent with them. All other conditions of the contract documents remain unchanged.



Roger Martinez, PE

List of Structural Supplemental Information

- ITEM 1) Sheet S1.1 --- Schematic Foundation Plan --- Added Structural Criteria notes to construction documents.
Refer to enclosed sheet S1.1r1; SSI #2 dated October 18, 2010.

END OF SUPPLEMENTAL INFORMATION #2



EXHIBIT "E"

2 Structural Criteria

The Building Code Requirements for 2009 International Building Code is the basic code document used in the preparation of these structural documents. Additional codes and references are as noted. All structural work shall be according to all local codes in addition to this basic code document.

- 2) Beicker Martinez Engineering designed the exterior stair foundation and soil retainer blocks for this project as a specialty engineer and is not accepting the responsibility of "Engineer of Record" for this project. Beicker Martinez Engineering did not design other structural components and the overall building integrity.
- 3) Terracon Consultants, Inc. investigated the subsurface soils and provided foundation design recommendations. (Report Number 90105079) Beicker Martinez Engineering based the foundation design upon this information.
- 4) The Contractor shall familiarize himself with the site and subsurface conditions. Ignorance of conditions is not a basis for a claim for additional compensation. Layout the building by a licensed surveyor.
- 5) Drawings of specific details on the drawings indicate the intent of the structural design and in most cases, are typical conditions or very similar to other details. Consider typical conditions not necessarily noted as typical as typical for other conditions.
- 6) Understanding the structural requirements shown on the structural documents requires cooperation among all parties involved. Design and construction are complex. Although Beicker Martinez Engineering designed the project with due care and diligence, we do not guarantee perfection. Communication is necessary. Immediately report structural discrepancies for our interpretation. Consider unresolved discrepancies as the more costly interpretation of the discrepancy.
- 7) Combining all construction documents with the structural documents defines the total project. The structural documents represent the finished structure and do not indicate the means or methods of construction. Verify all field conditions that affect new construction before starting construction. Take all measures necessary to protect the safety of the public along with the safety of the structure during construction. Such measures shall include but not be limited to bracing and shoring of dead loads, construction loads and wind loads. Correct at own expense any subsidence structural damage or other objectionable conditions caused by your operations.
- 9) Structural design is based on the following:
 Floor live loads: = 125 psf
 Mechanical rooms = 125 psf
 Floor live loads shall be posted for each floor or part thereof

Ground Snow Load = 5 psf, Importance Factor (I) = 1.0

Design Load Combinations (Allowable Stress Design Method)

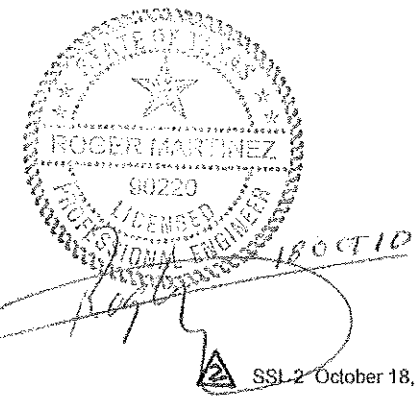
- D
- D + L
- D + L + (Lr or S or R)
- D + (W or 0.7E) + L + (Lr or S or R)
- 0.6D + W
- 0.6D + 0.7E

Wind Loads

ASCE 7 Method 2 - Building and Other Structures <= 60'
 Basic wind speed (3 sec. gust) = 90 mph, Basic wind press = 20 psf.
 Structure Type = Building
 Structure Classification Category II, Exposure Category B
 Topographic Effects (Kzt) = 1.0, Gust Effect Factor (G) = 0.85, Rigid Structure
 Enclosure Classification: Enclosed
 Importance Factor: .87 Category: I

Seismic Loads

Seismic Use Group = I
 Spectral Response Coefficient
 Short Duration Sds = .109g
 One Second Duration Sd1 = .029g
 Site Class = D
 Seismic Design Category = A
 Basic Seismic Force-Resisting System = shear walls
 Analysis Procedure = Simplified



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BEICKER MARTINEZ ENGINEERING
 1001 Broadway, Suite 1207 San Antonio, Texas 78205 / (210) 625-8400

FILE NAME:	DATE: October 18, 2010
JCM/MS	10/20/10
SHEET	DRAWING
S1.1r1	

Chesney Morales ARCHITECTS/PLANNERS & Associates, Inc.
 1901 Broadway, Suite 1207 San Antonio, Texas 78205 / (210) 625-8400

RENOVATIONS TO
**CITY OF SAN ANTONIO
 FIRE STATION NO.11 STABILIZATION**
 601 SOUTH Frio STREET, SAN ANTONIO, TEXAS 78207

ADDENDUM NO. 01



DATE: Oct. 18, 2010

PROJECT NAME: Fire Station #11 Stabilization

PROJECT NO.: 10055cz

TO: All Prime Contract Bidders and all others to whom Drawings and Specifications have been issued by the Architect.

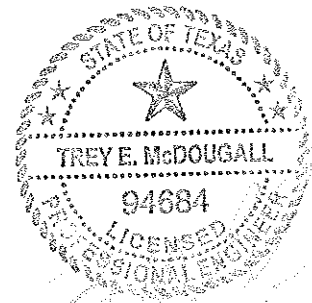
This Addendum forms a part of the Contract Documents. This addendum modifies and supplements the Contract Documents as follows for the above-mentioned project, and includes **one (1) page, one (1) attachment, and zero (0) revised drawing sheet(s)**. All other provisions of the Documents remain unchanged.

CHANGES TO DRAWINGS: TW

Sheet P000:

1. Add Specification Sections 22 05 29 (Hangers and Supports) and 22 13 16 (Sanitary Waste and Vent Piping). Refer to plumbing supplemental drawing PSD-1.

END OF ADDENDUM 001



W:\10055\File\Addenda\ADD #1 2010-10-18.doc

1344 S. Flores, Suite 101 | San Antonio, Texas 78204 | T 210.447.6100 | F 210.447.6101

Texas Board of Professional Engineers Registration #F-9357

EXHIBIT "F"

SECTION 22 05 29 - HANGERS AND SUPPORTS

PART 1 - GENERAL

1.1 SUMMARY

- A. THIS SECTION INCLUDES HANGERS AND SUPPORTS FOR MECHANICAL SYSTEM PIPING AND EQUIPMENT.

PART 2 - EXECUTION

2.1 PIPING HANGERS

- A. PIPE HANGERS USED ARE TO BE MANUFACTURED AND INSTALLED ACCORDING TO SPECIFICATIONS SP-58-1975 (PIPE HANGERS AND SUPPORTS - MATERIALS, DESIGN AND MANUFACTURE) AND SP-89-1976 (PIPE HANGERS AND SUPPORTS - FABRICATION AND INSTALLATION PRACTICES) OF THE MANUFACTURERS STANDARDIZATION SOCIETY (MSS).
- B. PIPE HANGER SELECTION AND APPLICATION SHALL FOLLOW RECOMMENDATIONS OF MSS SP-69-1976 (PIPE HANGERS AND SUPPORTS - SELECTION AND APPLICATION). ELCEN METAL PRODUCTS COMPANY, GRINNELL CO., AND FEE & MASON CO MANUFACTURE HANGERS AND ACCESSORIES MEETING THESE CRITERIA.
- C. HANGERS USED DIRECTLY ON COPPER PIPE SHALL BE COPPER OR CADMIUM PLATED. ALL OTHER HANGERS AND CHANNELS, ANGLES, AND SUPPORTING STEEL SHALL BE CARBON STEEL WITH A BLACK FINISH. TWO (2) OR MORE PIPES RUNNING PARALLEL MAY BE SUPPORTED ON TRAPEZE HANGERS.
- D. HANGERS SHALL BE LOCATED AT WITHIN 2" OF EACH CHANGE OF DIRECTION.
- E. WHERE INDIVIDUAL HANGERS ARE USED OUTSIDE OF INSULATION, APPLY A 9-INCH LENGTH OF 15 LB. DENSITY URETHANE INSULATION OR FOAMLESS TO PIPE AT POINT OF HANGING. PLACE HANGERS OUTSIDE OF INSULATION WITH A INSULATION SHIELD OF GALVANIZED METAL EXTENDING NOT LESS THAN 6" ON BOTH SIDES OF THE SUPPORT BEARING AREA, COVERING A MINIMUM OF HALF OF THE PIPE CIRCUMFERENCE. SHIELD TO BE MADE 12" IN LENGTH AND A MINIMUM OF 20 GAUGE OF GALVANIZED METAL. AS AN OPTION, PIPE SHALL BE PROTECTED AT THE POINT OF SUPPORT BY A 360-DEGREE INSERT OF HIGH DENSITY, 100 PSI, WATERPROOFED CALCIUM SILICATE, ENCASED IN 360-DEGREE SHEET METAL SHIELD. INSERT TO BE SAME THICKNESS AS ADJOINING PIPE INSULATION.
- F. TRAPEZE HANGERS - SUSPEND PIPING INSTALLED ON TRAPEZE HANGERS FROM CONCRETE INSETS OR APPROVED STRUCTURAL CLIPS. CONSTRUCT TRAPEZE HANGERS OF ANGLE IRON, UNISTRUT CHANNELS OR OTHER STRUCTURAL SHAPES WITH FLAT SURFACES FOR POINT OF SUPPORT.
- G. HANGERS IN GENERAL - INSTALL ALL PIPING SO THAT IT WILL BE FREE TO EXPAND AND CONTRACT WITHOUT CREATING UNDUE STRESSES IN PIPING SYSTEM.

2.2 ADJUSTING

- A. HANGER ADJUSTMENT: ADJUST HANGERS TO DISTRIBUTE LOADS EQUALLY ON ATTACHMENTS AND TO ACHIEVE INDICATED SLOPE OF PIPE.

SECTION 22 13 16 - SANITARY WASTE AND VENT PIPING

PART 1 - GENERAL

1.1 SUMMARY

- A. THIS SECTION INCLUDES THE FOLLOWING SOIL AND WASTE, SANITARY DRAINAGE AND VENT PIPING INSIDE THE BUILDING:
1. PIPE, TUBE, AND FITTINGS.
 2. SPECIAL PIPE FITTINGS.

PART 2 - PRODUCTS

2.1 PIPING MATERIALS

- A. STEEL PIPE: ASTM A 53/A 53M, TYPE E OR S, GRADE A OR B, STANDARD WEIGHT SCHEDULE 40, GALVANIZED. INCLUDE ENDS MATCHING JOINING METHOD.
1. DRAINAGE FITTINGS: ASME B16.12, GALVANIZED, THREADED, CAST-IRON DRAINAGE PATTERN.

PART 3 - EXECUTION

3.1 PIPING INSTALLATION

- A. HORIZONTAL WASTE AND SOIL PIPE SHALL BE GIVEN A GRADE OF 1/4" PER FOOT WHERE POSSIBLE.
- B. INSTALL WALL PENETRATION SYSTEM AT EACH SERVICE PIPE PENETRATION THROUGH FOUNDATION WALL. MAKE INSTALLATION WATERTIGHT.
- C. DO NOT ENCLOSE, COVER, OR PUT PIPING INTO OPERATION UNTIL IT IS INSPECTED AND APPROVED BY AUTHORITIES HAVING JURISDICTION.

3.2 HANGER AND SUPPORT INSTALLATION

- A. PIPE HANGERS AND SUPPORTS ARE SPECIFIED IN SPECIFICATION SECTION "HANGERS AND SUPPORTS."

3.3 CONNECTIONS

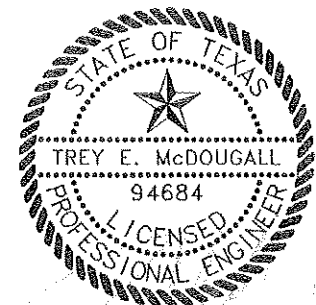
- A. CONNECT SOIL AND WASTE PIPING TO EXTERIOR SANITARY SEWERAGE PIPING. USE TRANSITION FITTING TO JOIN DISSIMILAR PIPING MATERIALS.

3.4 FIELD QUALITY CONTROL

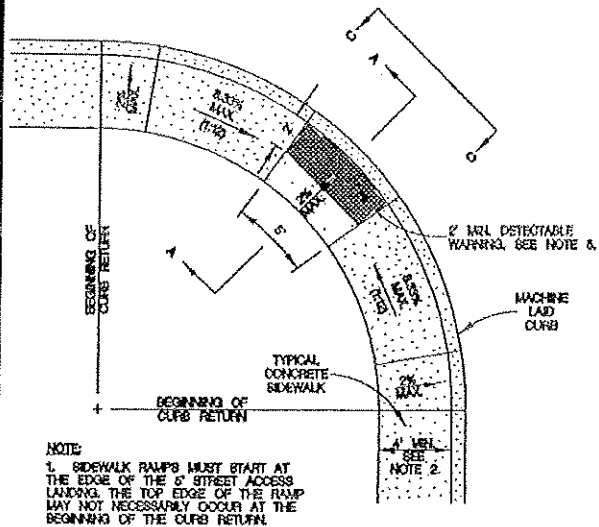
- A. DURING INSTALLATION, NOTIFY AUTHORITIES HAVING JURISDICTION AT LEAST 24 HOURS BEFORE INSPECTION MUST BE MADE. PERFORM TESTS SPECIFIED BELOW IN PRESENCE OF AUTHORITIES HAVING JURISDICTION.
- B. REINSPECTION: IF AUTHORITIES HAVING JURISDICTION FIND THAT PIPING WILL NOT PASS TEST OR INSPECTION, MAKE REQUIRED CORRECTIONS AND ARRANGE FOR REINSPECTION.
- C. SANITARY DRAINS: PIPES SHALL HAVE ALL OUTLETS TEMPORARILY PLUGGED. THE PIPES SHALL BE FILLED WITH WATER TESTING THE SYSTEM IN SECTION SUCH THAT NO SECTION SHALL BE TESTED WITH LESS THAN 10-FOOT (10') HEAD OF WATER. IF AFTER TWENTY-FOUR (24) HOURS, THE LEVEL OF THE WATER HAS BEEN LOWERED BY LEAKAGE, THE LEAKS MUST BE FOUND AND STOPPED BY THIS CONTRACTOR, AND THE WATER LEVEL SHALL AGAIN BE RAISED AND THE TEST REPEATED UNTIL AFTER TWENTY-FOUR HOUR RETENTION PERIOD THERE SHALL BE NO PERCEPTIBLE LOWERING OF THE WATER LEVEL OF THE SYSTEM BEING TESTED.

3.5 CLEANING

- A. CLEAN INTERIOR OF PIPING. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES.
- B. PROTECT DRAINS DURING REMAINDER OF CONSTRUCTION PERIOD TO AVOID CLOGGING WITH DIRT AND DEBRIS AND TO PREVENT DAMAGE FROM TRAFFIC AND CONSTRUCTION WORK.
- C. PLACE PLUGS IN ENDS OF UNCOMPLETED PIPING AT END OF DAY AND WHEN WORK STOPS.

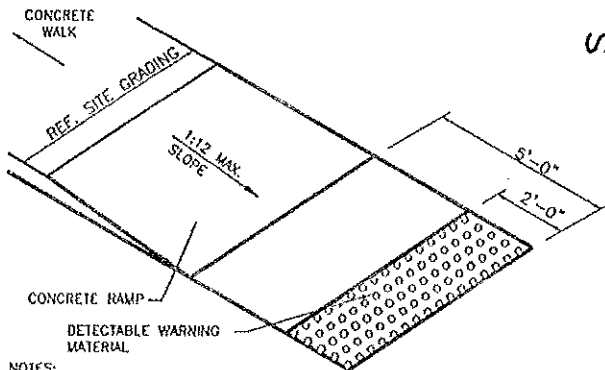


NOTE: CONTRACTOR TO RECONSTRUCT EXISTING SIDEWALK RAMPS TO CURRENT WHEELCHAIR RAMP SPECIFICATIONS. RAMPS SHALL COMPLY WITH PUBLIC WORKS WHEELCHAIR DETAIL. (2006-TRUNCATED DOMES). COORDINATE WITH FIELD INSPECTOR (207-2806) PRIOR TO RECONSTRUCTION.



TYPICAL SIDEWALK RAMP - TYPE V

SIDEWALK ABUTS CURB
SCALE: N.T.S.

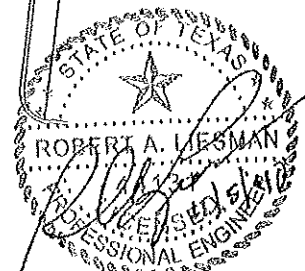
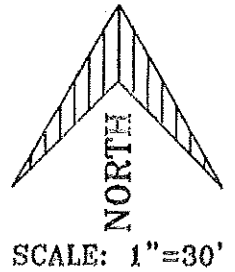
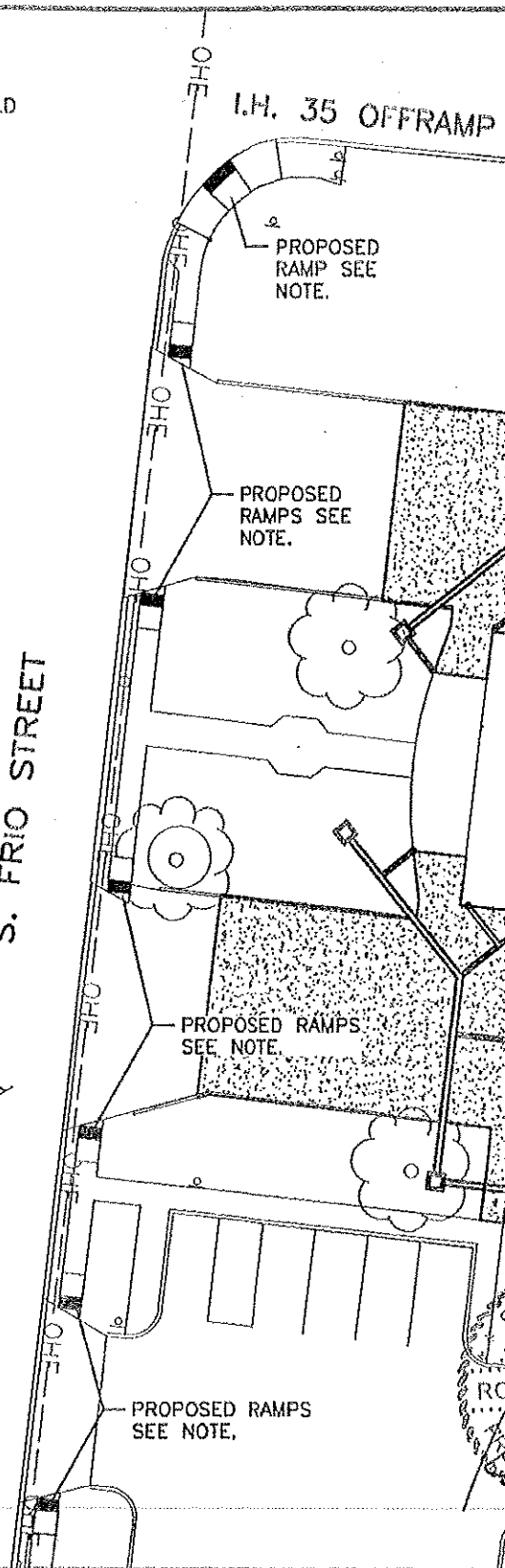


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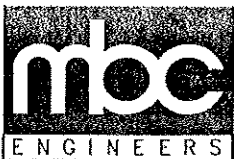
- 1.) CONSTRUCT DETECTABLE MARKINGS IN ACCORDANCE WITH A.D.A. REQUIREMENTS
- 2.) RAMP TO HAVE LIGHT REFLECTIVE VALUE TO CONTRAST W/ADJACENT CONCRETE



S. FRIO STREET



ADDENDUM #1



1035 Central Parkway North
San Antonio, Texas 78232
(210) 545-1122 FAX (210) 545-9302
TEXAS REGISTERED ENGINEERING FIRM F-784

CITY OF SAN ANTONIO FIRE STATION NO. 11 STABILIZATION SIDEWALK PLAN DETAILS SAN ANTONIO, TEXAS

DESIGN _____
DRAWN JC
CHECKED TP
DATE Nov 05, 2010
JOB NO. 30398-1270
SHT. 1 of 1